(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 May 2012 (18.05.2012)

PCT

(10) International Publication Number
WO 2012/064338 A1

(51) International Patent Classification:
A61K 8/34 (2006.01) *A61K 8/49* (2006.01)
A61K 8/44 (2006.01) *A61Q 11/00* (2006.01)

(21) International Application Number:
PCT/US2010/056511

(22) International Filing Date:
12 November 2010 (12.11.2010)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant *(for all designated States except US)*: **COLGATE-PALMOLIVE COMPANY** [US/US]; 300 Park Avenue, New York, New York 10022 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LEWUS, Catherine** [US/US]; 22 Union Hill Road, Denville, New Jersey 07834 (US). **SZEWCZYK, Gregory** [US/US]; 29 Aberdeen Circle, Flemington, New Jersey 08822 (US). **MELLO, Sarita** [BR/US]; 202 Concord Place, North Brunswick, New Jersey 08902 (US). **SMITH-WEBSTER, Kimdra** [GB/US]; 30 Chinkapin Court, Williamstown, New Jersey 08094 (US). **NESTA, Jason** [US/US]; 30 Boulevard Road, Cedar Knolls, New Jersey 07927 (US). **DILLON, Rensl** [US/US]; 3 Beth Ann Way, Ewing, New Jersey 08638 (US). **ARVANITIDOU, Evangelia S.** [US/US]; 16 Jackson Avenue, Princeton, New Jersey 08540 (US). **CUIULE, Christine** [US/US]; 2 Ardleigh Court, Mount Laurel, New Jersey 08904 (US).

(74) Agent: **TRAUT, Donald L.**; COLGATE-PALMOLIVE COMPANY, Patent Department, 909 River Road, Piscataway, NJ 08855 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

WO 2012/064338 A1

(54) Title: ORAL CARE PRODUCT AND METHODS OF USE AND MANUFACTURE THEREOF

(57) Abstract: This invention relates to a mouthwash comprising an aqueous solution of an effective amount of a basic amino acid, in free or salt form together with an effective amount of a preservative selected from methylisothiazolinone (MIT), benzyl alcohol, phenoxyethanol, and combinations thereof; as well as to methods of using and of making such compositions.